WEST Search History

Hide Items | Restore | Clear | Cancel

DATE: Wednesday, August 04, 2004

Hide?	Set Name	Query	Hit Count
		DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI; PLUR=YES; OP=ADJ	
☐	L3	L2 with (sequence or dna)	14
☐	L2	monooxygenase with (pseudomonas or bukholderia)	97
☐	L1	monooxygenase with (pseudomonas or bukholderia)	97

END OF SEARCH HISTORY

h e b b cg b chh e g f c e e b

Hit List

Clear | Generate Collection | Print | Fwd Refs | Bkwd Refs | Generate OACS

Search Results - Record(s) 1 through 10 of 14 returned.

☐ 1. Document ID: US 20020143105 A1

Using default format because multiple data bases are involved.

L3: Entry 1 of 14 File: PGPB Oct 3, 2002

PGPUB-DOCUMENT-NUMBER: 20020143105
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20020143105 A1

TITLE: Discordant helix stabilization for prevention of amyloid formation

PUBLICATION-DATE: October 3, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Johansson, Jan	Stockholm		SE	

US-CL-CURRENT: 525/54.1

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw De

☐ 2. Document ID: US 6716589 B2

L3: Entry 2 of 14 File: USPT Apr 6, 2004

US-PAT-NO: 6716589
DOCUMENT-IDENTIFIER: US 6716589 B2

TITLE: Discordant helix stabilization for prevention of amyloid formation

Full | Title | Citation | Front | Review | Classification | Date | Reference | Claims | KWIC | Draw De

☐ 3. Document ID: US 6605430 B1

L3: Entry 3 of 14 File: USPT Aug 12, 2003

US-PAT-NO: 6605430
DOCUMENT-IDENTIFIER: US 6605430 B1

TITLE: DNA shuffling of monooxygenase genes for production of industrial chemicals

h e b b g e e e f e g ef b e

Full | Title | Citation | Front | Review | Classification | Date | Reference | Claims | KWIC | Draw De

4. Document ID: US 6551814 B1

L3: Entry 4 of 14 File: USPT Apr 22, 2003

US-PAT-NO: 6551814
DOCUMENT-IDENTIFIER: US 6551814 B1

TITLE: Methods for bioremediation by degrading toluene

Full | Title | Citation | Front | Review | Classification | Date | Reference | Claims | KWIC | Draw De

5. Document ID: US 6395539 B1

L3: Entry 5 of 14 File: USPT May 28, 2002

US-PAT-NO: 6395539
DOCUMENT-IDENTIFIER: US 6395539 B1

TITLE: Composition and methods for bioremediation

Full | Title | Citation | Front | Review | Classification | Date | Reference | Claims | KWIC | Draw De

6. Document ID: US 5605823 A

L3: Entry 6 of 14 File: USPT Feb 25, 1997

US-PAT-NO: 5605823
DOCUMENT-IDENTIFIER: US 5605823 A

TITLE: Bioconversions catalysed by the toluene monooxygenase of Pseudomonas mendocinaKR-1

Full | Title | Citation | Front | Review | Classification | Date | Reference | Claims | KWIC | Draw De

7. Document ID: US 5512478 A

L3: Entry 7 of 14 File: USPT Apr 30, 1996

US-PAT-NO: 5512478
DOCUMENT-IDENTIFIER: US 5512478 A
**** See image for Certificate of Correction ****

TITLE: Genes and enzymes involved in the microbial degradation of pentachlorophenol

Full | Title | Citation | Front | Review | Classification | Date | Reference | Claims | KWIC | Draw De

h e b b g e e e f e g ef b e

8. Document ID: US 5364787 A

L3: Entry 8 of 14 File: USPT Nov 15, 1994

US-PAT-NO: 5364787
DOCUMENT-IDENTIFIER: US 5364787 A

TITLE: Genes and enzymes involved in the microbial degradation of pentachlorophenol

Full | Title | Citation | Front | Review | Classification | Date | Reference | | | Claims | KWIC | Draw De

9. Document ID: US 5171684 A

L3: Entry 9 of 14 File: USPT Dec 15, 1992

US-PAT-NO: 5171684
DOCUMENT-IDENTIFIER: US 5171684 A

TITLE: Bioconversions catalyzed by the toluene monooxygenase of Pseudomanas mendocina KR-1

Full | Title | Citation | Front | Review | Classification | Date | Reference | | | Claims | KWIC | Draw De

10. Document ID: US 5017495 A

L3: Entry 10 of 14 File: USPT May 21, 1991

US-PAT-NO: 5017495
DOCUMENT-IDENTIFIER: US 5017495 A

TITLE: Plasmid encoding the Pseudomonas mendocina toluene monooxygenase gene

Full | Title | Citation | Front | Review | Classification | Date | Reference | | | Claims | KWIC | Draw De

Clear | Generate Collection | Print | Fwd Refs | Bkwd Refs | Generate OACS

Terms	Documents
L2 with (sequence or dna)	14

Display Format: - Change Format

Previous Page Next Page Go to Doc#

h e b b g e e e f e g ef b e

Hit List

Clear | Generate Collection | Print | Fwd Refs | Bkwd Refs | Generate OACS

Search Results - Record(s) 11 through 14 of 14 returned.

☐ 11. Document ID: JP 10099078 A

Using default format because multiple data bases are involved.

L3: Entry 11 of 14 File: JPAB Apr 21, 1998

PUB-NO: JP410099078A
DOCUMENT-IDENTIFIER: JP 10099078 A
TITLE: R-(-)-MANDELIC MONOOXYGENASE GENE

PUBN-DATE: April 21, 1998

INVENTOR-INFORMATION:

NAME	COUNTRY
SHIMAO, MASAYUKI	
HARAYAMA, SHIGEAKI	

INT-CL (IPC): C12 N 15/09; C07 H 21/04; C12 N 9/04; C12 P 41/00

Full | Title | Citation | Front | Review | Classification | Date | Reference | | | Claims | KWIC | Draw De

☐ 12. Document ID: WO 9206208 A1

L3: Entry 12 of 14 File: EPAB Apr 16, 1992

PUB-NO: WO009206208A1
DOCUMENT-IDENTIFIER: WO 9206208 A1
TITLE: BIOCONVERSIONS CATALYZED BY THE TOLUENE MONOOXYGENASE OF PSEUDOMONAS MENDOCINA KR-1

Full | Title | Citation | Front | Review | Classification | Date | Reference | | | Claims | KWIC | Draw De

☐ 13. Document ID: EP 336719 A2

L3: Entry 13 of 14 File: EPAB Oct 11, 1989

PUB-NO: EP000336719A2
DOCUMENT-IDENTIFIER: EP 336719 A2
TITLE: Method and materials for the microbial bioconversion of toluene and other phenyl compounds.

Full | Title | Citation | Front | Review | Classification | Date | Reference | | | Claims | KWIC | Draw De

h e b b cg b cc e

☐ 14. Document ID: IE 83070 B, EP 336719 A, WO 8909828 A, AU 8934104 A, FI 8905788 A, NO 8904845 A, DK 8906090 A, JP 03500126 W, US 5017495 A, ZA 8902503 A, IL 89845 A, CA 1337977 C, NO 301548 B1, JP 2862301 B2, FI 104379 B1, KR 157301 B1

L3: Entry 14 of 14 File: DWPI Oct 1, 2003

DERWENT-ACC-NO: 1989-294582
DERWENT-WEEK: 200367

TITLE: Plasmid contg. Pseudomonas mendocina kr-1 monooxygenase genes - used to transform cells to enable bio-conversion of phenyl cpds.

Terms	Documents
L2 with (sequence or dna)	14

h e b b cg b cc e

```
$%^STN;HighlightOn=  ***;HighlightOff=***  ;

Connecting via Winsock to STN

.


Welcome to STN International!  Enter X:X

LOGINID:SSSPTA1800EXS

PASSWORD:
TERMINAL (ENTER 1, 2, 3, OR ?):2


* * * * * * * * * *   Welcome to STN International   * * * * * * * * * *

 NEWS  1           Web Page URLs for STN Seminar Schedule - N. America
 NEWS  2           "Ask CAS" for self-help around the clock
 NEWS  3  May 12   EXTEND option available in structure searching
 NEWS  4  May 12   Polymer links for the POLYLINK command completed in REGISTRY
 NEWS  5  May 27   New UPM (Update Code Maximum) field for more efficient patent
                   SDIs in CAplus
 NEWS  6  May 27   CAplus super roles and document types searchable in REGISTRY
 NEWS  7  Jun 28   Additional enzyme-catalyzed reactions added to CASREACT
 NEWS  8  Jun 28   ANTE, AQUALINE, BIOENG, CIVILENG, ENVIROENG, MECHENG,
                   and WATER from CSA now available on STN(R)
 NEWS  9  Jul 12   BEILSTEIN enhanced with new display and select options,
                   resulting in a closer connection to BABS
 NEWS 10  Jul 30   BEILSTEIN on STN workshop to be held August 24 in conjunction
                   with the 228th ACS National Meeting
 NEWS 11  AUG 02   IFIPAT/IFIUDB/IFICDB reloaded with new search and display
                   fields
 NEWS 12  AUG 02   CAplus and CA patent records enhanced with European and Japan
                   Patent Office Classifications
 NEWS 13  AUG 02   STN User Update to be held August 22 in conjunction with the
                   228th ACS National Meeting
 NEWS 14  AUG 02   The Analysis Edition of STN Express with Discover!
                   (Version 7.01 for Windows) now available
 NEWS 15  AUG 04   Pricing for the Save Answers for SciFinder Wizard within
                   STN Express with Discover! will change September 1, 2004

 NEWS EXPRESS  JULY 30 CURRENT WINDOWS VERSION IS V7.01, CURRENT
               MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP),
               AND CURRENT DISCOVER FILE IS DATED 26 APRIL 2004
 NEWS HOURS    STN Operating Hours Plus Help Desk Availability
 NEWS INTER    General Internet Information
 NEWS LOGIN    Welcome Banner and News Items
 NEWS PHONE    Direct Dial and Telecommunication Network Access to STN
 NEWS WWW      CAS World Wide Web Site (general information)

Enter NEWS followed by the item number or name to see news on that
specific topic.

  All use of STN is subject to the provisions of the STN Customer
  agreement.  Please note that this agreement limits use to scientific
  research.  Use for software development or design or implementation
  of commercial gateways or other similar uses is prohibited and may
  result in loss of user privileges and other penalties.

  * * * * * * * * * * * * * * STN  Columbus  * * * * * * * * * * * * * * *

FILE 'HOME' ENTERED AT 17:05:24 ON 04 AUG 2004

=> fil .eliz
COST IN U.S. DOLLARS                                  SINCE FILE      TOTAL
                                                        ENTRY    SESSION
FULL ESTIMATED COST                                      0.21       0.21

FILE 'MEDLINE' ENTERED AT 17:05:37 ON 04 AUG 2004

FILE 'SCISEARCH' ENTERED AT 17:05:37 ON 04 AUG 2004
COPYRIGHT 2004 THOMSON ISI

FILE 'LIFESCI' ENTERED AT 17:05:37 ON 04 AUG 2004
COPYRIGHT (C) 2004 Cambridge Scientific Abstracts (CSA)
```

```
FILE 'BIOTECHDS' ENTERED AT 17:05:37 ON 04 AUG 2004
COPYRIGHT (C) 2004 THOMSON DERWENT AND INSTITUTE FOR SCIENTIFIC INFORMATION

FILE 'BIOSIS' ENTERED AT 17:05:37 ON 04 AUG 2004
COPYRIGHT (C) 2004 BIOLOGICAL ABSTRACTS INC.(R)

FILE 'EMBASE' ENTERED AT 17:05:37 ON 04 AUG 2004
COPYRIGHT (C) 2004 Elsevier Inc. All rights reserved.

FILE 'HCAPLUS' ENTERED AT 17:05:37 ON 04 AUG 2004
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
COPYRIGHT (C) 2004 AMERICAN CHEMICAL SOCIETY (ACS)

FILE 'NTIS' ENTERED AT 17:05:37 ON 04 AUG 2004
Compiled and distributed by the NTIS, U.S. Department of Commerce.
It contains copyrighted material.
All rights reserved. (2004)

FILE 'ESBIOBASE' ENTERED AT 17:05:37 ON 04 AUG 2004
COPYRIGHT (C) 2004 Elsevier Science B.V., Amsterdam. All rights reserved.

FILE 'BIOTECHNO' ENTERED AT 17:05:37 ON 04 AUG 2004
COPYRIGHT (C) 2004 Elsevier Science B.V., Amsterdam. All rights reserved.

FILE 'WPIDS' ENTERED AT 17:05:37 ON 04 AUG 2004
COPYRIGHT (C) 2004 THOMSON DERWENT

=> s monooxygenase (5a)(pseudomonas or bukholderia)
L1        1266 MONOOXYGENASE (5A)(PSEUDOMONAS OR BUKHOLDERIA)

=> s l1 (5a)(sequence or gene)
   6 FILES SEARCHED...
L2         272 L1 (5A)(SEQUENCE OR GENE)

=> dup rem l2
PROCESSING COMPLETED FOR L2
L3          142 DUP REM L2 (130 DUPLICATES REMOVED)

=> s l2 and (aromatic or toluene)
L4         131 L2 AND (AROMATIC OR TOLUENE)

=> dup rem l4
PROCESSING COMPLETED FOR L4
L5           60 DUP REM L4 (71 DUPLICATES REMOVED)

=> d 1-10

L5   ANSWER 1 OF 60  HCAPLUS  COPYRIGHT 2004 ACS on STN
AN   2004:36801  HCAPLUS
DN   140:76041
TI   Cyclodextrin for enhanced microbial oxidation using xylene
     monooxygenase-producing microorganism
IN   Maruyama, Takahiro; Iida, Hiroshi; Kakitani, Hitoshi
PA   Tosoh Corp., Japan
SO   Jpn. Kokai Tokkyo Koho, 13 pp.
     CODEN: JKXXAF
DT   Patent
LA   Japanese
FAN.CNT 1
     PATENT NO.          KIND   DATE        APPLICATION NO.        DATE
     ---------------     ----   --------    --------------------   --------
PI   JP 2004008150        A2    20040115    JP 2002-168710         20020610
PRAI JP 2002-168710                20020610

L5   ANSWER 2 OF 60  HCAPLUS  COPYRIGHT 2004 ACS on STN
AN   2004:337190  HCAPLUS
DN   141:35369
TI   Phenol hydroxylase and   ***toluene***  /o-xylene monooxygenase from
     Pseudomonas stutzeri OX1: interplay between two enzymes
AU   Cafaro, Valeria; Izzo, Viviana; Scognamiglio, Roberta; Notomista, Eugenio;
     Capasso, Paola; Casbarra, Annarita; Pucci, Piero; Di Donato, Alberto
CS   Dipartimento di Chimica Biologica, Universita di Napoli Federico II,
     Naples, 16-80134, Italy
SO   Applied and Environmental Microbiology (2004), 70(4), 2211-2219
```

CODEN: AEMIDF; ISSN: 0099-2240
PB American Society for Microbiology
DT Journal
LA English
RE.CNT 38 THERE ARE 38 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 3 OF 60 MEDLINE on STN DUPLICATE 1
AN 2004310948 IN-PROCESS
DN PubMed ID: 15213740
TI A survey of indigenous microbial hydrocarbon degradation genes in soils from Antarctica and Brazil.
AU Luz A P; Pellizari V H; Whyte L G; Greer C W
SO Canadian journal of microbiology, (2004 May) 50 (5) 323-33.
Journal code: 0372707. ISSN: 0008-4166.
CY Canada
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS IN-DATA-REVIEW; IN-PROCESS; NONINDEXED; Priority Journals
ED Entered STN: 20040625
Last Updated on STN: 20040625

L5 ANSWER 4 OF 60 MEDLINE on STN DUPLICATE 2
AN 2003022707 MEDLINE
DN PubMed ID: 12529882
TI Use of the two-liquid phase concept to exploit kinetically controlled multistep biocatalysis.
AU Buhler Bruno; Bollhalder Irene; Hauer Bernhard; Witholt Bernard; Schmid Andreas
CS Institute of Biotechnology, Swiss Federal Institute of Technology Zurich, CH-8093 Zurich, Switzerland.
SO Biotechnology and bioengineering, (2003 Mar 20) 81 (6) 683-94.
Journal code: 7502021. ISSN: 0006-3592.
CY United States
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
EM 200309
ED Entered STN: 20030117
Last Updated on STN: 20030909
Entered Medline: 20030908

L5 ANSWER 5 OF 60 MEDLINE on STN DUPLICATE 3
AN 2002704522 MEDLINE
DN PubMed ID: 12446657
TI Cross-regulation between a novel two-component signal transduction system for catabolism of ***toluene*** in Pseudomonas mendocina and the TodST system from Pseudomonas putida.
AU Ramos-Gonzalez Maria-Isabel; Olson Monica; Gatenby Anthony A; Mosqueda Gilberto; Manzanera Maximino; Campos Maria J; Vichez Susana; Ramos Juan L
CS Department of Biochemistry and Molecular and Cellular Biology of Plants, Estacion Experimental del Zaidin, Consejo Superior de Investigaciones Cientificas, 18008 Granada, Spain.. maribel.ramos@eez.csic.es
SO Journal of bacteriology, (2002 Dec) 184 (24) 7062-7.
Journal code: 2985120R. ISSN: 0021-9193.
CY United States
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
EM 200212
ED Entered STN: 20021217
Last Updated on STN: 20021220
Entered Medline: 20021219

L5 ANSWER 6 OF 60 BIOTECHDS COPYRIGHT 2004 THOMSON DERWENT/ISI on STN
DUPLICATE 4
AN 2002-13009 BIOTECHDS
TI Cloning and characterization of a FAD-monooxygenase gene (cadA) involved indegradation of chloranilic acid (2,5-dichloro-3,6-dihydroxybenzo-1,4-quinone) in Pseudomonas putida TQ07;
Pseudomonas putida mutant enzyme gene expression profiling in Escherichia coli for ***aromatic*** compound degradation and chloroaromatic compound degardation for waste-water treatment and soil decontamination
AU TREVINO-QUINTANILLA LG; GALAN-WONG LJ; RODRIGUEZ-URIBE B; SOBERON-CHAVEZ G

CS Univ Nacl Autonoma Mexico; Univ Autonoma Nuevo Leon; Univ Autonoma Nuevo Leon
LO Soberon-Chavez G, Univ Nacl Autonoma Mexico, Inst Biotechnol, Dept Mol Microbiol, Postal 510-3, Cuernavaca 62251, Morelos, Mexico
SO APPLIED MICROBIOLOGY AND BIOTECHNOLOGY; (2002) 59, 4-5, 545-550 ISSN: 0175-7598
DT Journal
LA English

L5 ANSWER 7 OF 60 HCAPLUS COPYRIGHT 2004 ACS on STN
AN 2002:783519 HCAPLUS
DN 138:94987
TI Oxygenase systems in an oligotrophic bacterial community of a subsurface water polluted by BTEX
AU Cavalca, L.; Dell'Amico, E.; Andreoni, V.
CS Dipartimento di Scienze e Tecnologie Alimentari e Microbiologiche, Universita degli Studi, Milan, 20133, Italy
SO Developments in Soil Science (2002), 28B(Soil Mineral-Organic Matter-Microorganism Interactions and Ecosystem Health), 363-375 CODEN: DSSCDM; ISSN: 0166-0918
PB Elsevier Science B.V.
DT Journal
LA English
RE.CNT 22 THERE ARE 22 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 8 OF 60 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
AN 2002:608217 BIOSIS
DN PREV200200608217
TI Cloning and sequencing of the soluble butane monooxygenase from Pseudomonas butanovora.
AU Sluis, M. K. [Reprint author]; Sayavedra-Soto, L. A. [Reprint author]; Arp, D. J. [Reprint author]
CS Oregon State University, Corvallis, OR, USA
SO Abstracts of the General Meeting of the American Society for Microbiology, (2002) Vol. 102, pp. 282. print.
Meeting Info.: 102nd General Meeting of the American Society for Microbiology. Salt Lake City, UT, USA. May 19-23, 2002. American Society for Microbiology.
ISSN: 1060-2011.
DT Conference; (Meeting)
Conference; Abstract; (Meeting Abstract)
LA English
ED Entered STN: 27 Nov 2002
Last Updated on STN: 27 Nov 2002

L5 ANSWER 9 OF 60 BIOTECHDS COPYRIGHT 2004 THOMSON DERWENT/ISI on STN
AN 2002-14446 BIOTECHDS
TI Cloning and sequencing of a phenol hydroxylase gene of Pseudomonas pseudoalcaligenes strain MH1 - A bacterium able to mineralize various ***aromatic*** compounds;
vector-mediated gene transfer and expression in host cell for phenol degradation, strain improvement and waste-water treatment
AU ZOUARI H; MOUKHA S; LABAT M; SAYADI S
CS Univ Aix Marseille 1; CBS; Univ Aix Marseille 1
LO Labat M, Univ Aix Marseille 1, IFR BAIM, ESIL, Inst Rech Dev, CP 925,163 Ave Luminy,F-13288 Marseille 9, France
SO APPLIED BIOCHEMISTRY AND BIOTECHNOLOGY; (2002) 102, , 261-276 ISSN: 0273-2289
DT Journal
LA English

L5 ANSWER 10 OF 60 HCAPLUS COPYRIGHT 2004 ACS on STN
AN 2002:219602 HCAPLUS
DN 137:164407
TI Characterization of tdt genes for the degradation of tricyclic diterpenes by Pseudomonas diterpeniphila A19-6a
AU Morgan, C. A.; Wyndham, R. C.
CS Ottawa Carleton Institute of Biology, College of Natural Sciences, Carleton University, Ottawa, ON, K1S 5B6, Can.
SO Canadian Journal of Microbiology (2002), 48(1), 49-59 CODEN: CJMIAZ; ISSN: 0008-4166
PB National Research Council of Canada
DT Journal
LA English
RE.CNT 39 THERE ARE 39 CITED REFERENCES AVAILABLE FOR THIS RECORD

ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> d 11-20

L5 ANSWER 11 OF 60 HCAPLUS COPYRIGHT 2004 ACS on STN
AN 2001:348236 HCAPLUS
DN 135:104133
TI 4-Hydroxyacetophenone monooxygenase from Pseudomonas fluorescens ACB. A novel flavoprotein catalyzing Baeyer-Villiger oxidation of ***aromatic*** compounds
AU Kamerbeek, Nanne M.; Moonen, Marielle J. H.; Van der Ven, Jos G. M.; Van Berkel, Willem J. H.; Fraaije, Marco W.; Janssen, Dick B.
CS Laboratory of Biochemistry, Groningen Biomolecular Sciences and Biotechnology Institute, University of Groningen, Groningen, 9747 AG, Neth.
SO European Journal of Biochemistry (2001), 268(9), 2547-2557
CODEN: EJBCAI; ISSN: 0014-2956
PB Blackwell Science Ltd.
DT Journal
LA English
RE.CNT 49 THERE ARE 49 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 12 OF 60 HCAPLUS COPYRIGHT 2004 ACS on STN
AN 2000:861775 HCAPLUS
DN 134:38863
TI Preparation of enantio-specific epoxides using wild-type and mutant ***toluene*** monooxygenases
IN Steffan, Robert J.; McClay, Kevin R.
PA Envirogen, Inc., USA
SO PCT Int. Appl., 70 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI WO 2000073425	A1	20001207	WO 2000-US14637	20000526

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG

PRAI US 1999-136602P P 19990528
OS CASREACT 134:38863
RE.CNT 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 13 OF 60 SCISEARCH COPYRIGHT 2004 THOMSON ISI on STN DUPLICATE 5
AN 2000:286306 SCISEARCH
GA The Genuine Article (R) Number: 302BT
TI Xylene monooxygenase catalyzes the multistep oxygenation of ***toluene*** and pseudocumene to corresponding alcohols, aldehydes, and acids in Escherichia coli JM101
AU Buhler B; Schmid A (Reprint); Hauer B; Witholt B
CS ETH ZURICH, INST BIOTECHNOL, ETH HONGGERBERG, CH-8093 ZURICH, SWITZERLAND (Reprint); SWISS FED INST TECHNOL, INST BIOTECHNOL, CH-8093 ZURICH, SWITZERLAND; BASF CORP, RES FINE CHEM & BIOTECHNOL, D-67056 LUDWIGSHAFEN, GERMANY
CYA SWITZERLAND; GERMANY
SO JOURNAL OF BIOLOGICAL CHEMISTRY, (7 APR 2000) Vol. 275, No. 14, pp. 10085-10092.
Publisher: AMER SOC BIOCHEMISTRY MOLECULAR BIOLOGY INC, 9650 ROCKVILLE PIKE, BETHESDA, MD 20814.
ISSN: 0021-9258.
DT Article; Journal
FS LIFE
LA English
REC Reference Count: 42
ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS

L5 ANSWER 14 OF 60 HCAPLUS COPYRIGHT 2004 ACS on STN
AN 2000:836307 HCAPLUS
DN 134:162870
TI Bioconversion of substituted styrenes to the corresponding enantiomerically pure epoxides by a recombinant Escherichia coli strain
AU Bernasconi, S.; Orsini, F.; Sello, G.; Colmegna, A.; Galli, E.; Bestetti, G.
CS Dipartimento di Chimica Organica e Industriale, Universita' degli Studi di Milano, Milan, 20133, Italy
SO Tetrahedron Letters (2000), 41(47), 9157-9161
CODEN: TELEAY; ISSN: 0040-4039
PB Elsevier Science Ltd.
DT Journal
LA English
OS CASREACT 134:162870
RE.CNT 8 THERE ARE 8 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 15 OF 60 MEDLINE on STN DUPLICATE 6
AN 1999402750 MEDLINE
DN PubMed ID: 10473416
TI Identification of the ***Pseudomonas*** stutzeri OX1 ***toluene*** -o-xylene ***monooxygenase*** regulatory ***gene*** (touR) and of its cognate promoter.
AU Arenghi F L; Pinti M; Galli E; Barbieri P
CS Dipartimento di Genetica e di Biologia dei Microrganismi, Universita degli Studi di Milano, 20133 Milan, Italy.
SO Applied and environmental microbiology, (1999 Sep) 65 (9) 4057-63.
Journal code: 7605801. ISSN: 0099-2240.
CY United States
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
OS GENBANK-AJ005663
EM 199912
ED Entered STN: 20000113
Last Updated on STN: 20000113
Entered Medline: 19991223

L5 ANSWER 16 OF 60 SCISEARCH COPYRIGHT 2004 THOMSON ISI on STN DUPLICATE 7
AN 1999:498769 SCISEARCH
GA The Genuine Article (R) Number: 209BK
TI Genetic organization of sulphur-controlled aryl desulphonation in Pseudomonas putida S-313
AU Vermeij P; Wietek C; Kahnert A; Wuest T; Kertesz M A (Reprint)
CS SWISS FED INST TECHNOL, ETH ZENTRUM, INST MIKROBIOL, LFV, CH-8092 ZURICH, SWITZERLAND (Reprint); SWISS FED INST TECHNOL, ETH ZENTRUM, INST MIKROBIOL, LFV, CH-8092 ZURICH, SWITZERLAND
CYA SWITZERLAND
SO MOLECULAR MICROBIOLOGY, (JUN 1999) Vol. 32, No. 5, pp. 913-926.
Publisher: BLACKWELL SCIENCE LTD, P O BOX 88, OSNEY MEAD, OXFORD OX2 0NE, OXON, ENGLAND.
ISSN: 0950-382X.
DT Article; Journal
FS LIFE
LA English
REC Reference Count: 52
ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS

L5 ANSWER 17 OF 60 BIOTECHDS COPYRIGHT 2004 THOMSON DERWENT/ISI on STN
AN 2000-05721 BIOTECHDS
TI Biotransformation of phenol to catechol by recombinant phenol-hydroxylase;
recombinant expression of phenol-2-monooxygenase in Escherichia coli
AU Rodriguez M J; Lebrero J L A; *Alvarez E
CS Appl.Genet.Immunol.Madrid
LO SmithKline Beecham, Centro de Investigacion Basica, Santiago Grisolia, 4, Parque Tecnologico de Madrid, 28760 Tres Cantos, Madrid, Spain.
Email: emilio.alvarez@sb.com
SO Biocatalysis Biotransform.; (1999) 17, 1, 45-60
CODEN: BOBOEQ ISSN: 1024-2422
DT Journal
LA English

L5 ANSWER 18 OF 60 BIOTECHDS COPYRIGHT 2004 THOMSON DERWENT/ISI on STN
AN 1999-03024 BIOTECHDS

TI Production of para-hydroxybenzoate; stereospecific hydroxybenzoic acid production via vector-mediated ***toluene*** - ***monooxygenase*** ***gene*** transfer and expression in ***Pseudomonas*** sp. for polyester and paraben preservative production
AU Grelak R L; Chen K K
PA Du-Pont
LO Wilmington, DE, USA.
PI WO 9856920 17 Dec 1998
AI WO 1998-US12072 11 Jun 1998
PRAI US 1997-49556 13 Jun 1997
DT Patent
LA English
OS WPI: 1999-060332 [05]

L5 ANSWER 19 OF 60 MEDLINE on STN DUPLICATE 8
AN 1998432776 MEDLINE
DN PubMed ID: 9758777
TI Analysis of the ***gene*** cluster encoding ***toluene*** /o-xylene ***monooxygenase*** from ***Pseudomonas*** stutzeri OX1.
AU Bertoni G; Martino M; Galli E; Barbieri P
CS Dipartimento di Genetica e di Biologia dei Microrganismi, Universita degli Studi di Milano, 20133 Milan, Italy.
SO Applied and environmental microbiology, (1998 Oct) 64 (10) 3626-32. Journal code: 7605801. ISSN: 0099-2240.
CY United States
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
OS GENBANK-AJ005663
EM 199811
ED Entered STN: 19990106
Last Updated on STN: 20000303
Entered Medline: 19981124

L5 ANSWER 20 OF 60 BIOTECHDS COPYRIGHT 2004 THOMSON DERWENT/ISI on STN
AN 1998-02434 BIOTECHDS
TI Rhizoremediation of trichloroethylene by a recombinant, root-colonizing Pseudomonas fluorescens strain expressing ***toluene*** -ortho-monooxygenase constitutively; trichloroethylene degradation and soil decontamination
AU Yee D C; Maynard J A; *Wood T K
CS Univ.California
LO Department of Chemical and Biochemical Engineering, University of California, Irvine, CA 92697-2575, USA. Email: tkwood@uci.edu
SO Appl.Environ.Microbiol.; (1998) 64, 1, 112-18 CODEN: AEMIDF ISSN: 0099-2240
DT Journal
LA English

=> d 21-30

L5 ANSWER 21 OF 60 HCAPLUS COPYRIGHT 2004 ACS on STN
AN 1997:652504 HCAPLUS
DN 127:328139
TI Purification and characterization of 2-hydroxybiphenyl 3-monooxygenase, a novel NADH-dependent, FAD-containing ***aromatic*** hydroxylase from Pseudomonas azelaica HBP1
AU Suske, Winfried A.; Held, Martin; Schmid, Andreas; Fleischmann, Thomas; Wubbolts, Marcel G.; Kohler, Hans-Peter E.
CS Department of Microbiology, Swiss Federal Institute of Environmental Sciences and Technology, Dubendorf, CH-8600, Switz.
SO Journal of Biological Chemistry (1997), 272(39), 24257-24265 CODEN: JBCHA3; ISSN: 0021-9258
PB American Society for Biochemistry and Molecular Biology
DT Journal
LA English

L5 ANSWER 22 OF 60 BIOTECHDS COPYRIGHT 2004 THOMSON DERWENT/ISI on STN
AN 1997-10600 BIOTECHDS
TI Changes in the regiospecificity of ***aromatic*** hydroxylation produced by active site engineering in the diiron enzyme ***toluene*** -4-monooxygenase; Pseudomonas mendocina ***toluene*** degradation enzyme engineering

by site-directed mutagenesis
AU Pikus J D; Studts J M; McClay K; Steffan R J; *Fox B G
CS Univ.Wisconsin-Madison-Inst.Enzyme-Res.; Envirogen
LO Institute for Enzyme Research, Graduate School and Department of Biochemistry, College of Agricultural and Life Sciences, University of Wisconsin, Madison, WI 53705, USA.
Email: fox@enzyme.wisc.edu
SO Biochemistry; (1997) 36, 31, 9283-89
CODEN: BICHAW ISSN: 0006-2960
DT Journal
LA English

L5 ANSWER 23 OF 60 HCAPLUS COPYRIGHT 2004 ACS on STN
AN 1998:26853 HCAPLUS
DN 128:207961
TI Evidence for the evolution of a single component phenol/cresol hydroxylase from a multicomponent ***toluene*** monooxygenase
AU Olsen, R. H.; Kukor, J. J.; Byrne, A. M.; Johnson, G. R.
CS Department of Microbiology and Immunology, University of Michigan Medical School, Ann Arbor, MI, 48109-0620, USA
SO Journal of Industrial Microbiology & Biotechnology (1997), 19(5/6), 360-368
CODEN: JIMBFL; ISSN: 1367-5435
PB Stockton Press
DT Journal
LA English
RE.CNT 32 THERE ARE 32 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 24 OF 60 BIOTECHDS COPYRIGHT 2004 THOMSON DERWENT/ISI on STN
AN 1998-01969 BIOTECHDS
TI Biosensors for TCE based on TCE-induced expression of ***toluene*** -4-monooxygenase from P. mendocina KR1;
trichloroethylene analysis using a recombinant Pseudomonas mendocina microbial electrode (conference abstract)
AU McClay K; Steffan R J
CS Envirogen
LO Envirogen, Inc., Lawrenceville, NJ 08648, USA.
SO Abstr.Gen.Meet.Am.Soc.Microbiol.; (1997) 97 Meet., 348
CODEN: 0005P ISSN: 0067-2777
American Society for Microbiology, 97th General Meeting, Miami Beach, FL, 4-8 May, 1997.
DT Journal
LA English

L5 ANSWER 25 OF 60 HCAPLUS COPYRIGHT 2004 ACS on STN
AN 1996:270738 HCAPLUS
DN 124:311959
TI Cloning and characterization of ***genes*** encoding ***toluene*** ***monooxygenases*** from ***Pseudomonas*** sp. strain JS150 (bioremediation, Burkholderia pickettii)
AU Johnson, Glenn Ronald
CS Univ. of Michigan, Ann Arbor, MI, USA
SO (1996) 171 pp. Avail.: Univ. Microfilms Int., Order No. DA9610153
From: Diss. Abstr. Int., B 1996, 56(12), 6541
DT Dissertation
LA English

L5 ANSWER 26 OF 60 BIOTECHDS COPYRIGHT 2004 THOMSON DERWENT/ISI on STN
DUPLICATE 9
AN 1996-12647 BIOTECHDS
TI Microorganisms transformed with a gene from a Pseudomonas cepacia mutant; ***toluene*** -monooxygenase gene expression in e.g. Escherichia coli for use in chlorinated hydrocarbon degradation and ***aromatic*** hydrocarbon degradation for groundwater decontamination, etc.
AU Shields M S; Francesconi S C
PA Shields M S; Francesconi S C
LO Gulf Breeze, FL, USA.; Pensacola, FL, USA.
PI US 5543317 6 Aug 1996
AI US 1994-319387 6 Oct 1994
PRAI US 1994-319387 6 Oct 1994
DT Patent
LA English
OS WPI: 1996-370640 [37]

L5 ANSWER 27 OF 60 BIOTECHDS COPYRIGHT 2004 THOMSON DERWENT/ISI on STN
DUPLICATE 10
AN 1997-02351 BIOTECHDS
TI Gene organization and low regiospecificity in ***aromatic*** -ring hydroxylation of a benzene-monooxygenase of Pseudomonas aeruginosa J1104; benzene degradation
AU Kitayama A; Suzuki E; Kawakami Y; Nagamune T
CS Univ.Tokyo
LO Department of Chemistry and Biotechnology, Graduate School of Engineering, The University of Tokyo, 7-3-1 Hongo, Bunkyo-ku, Tokyo 113.
SO J.Ferment.Bioeng.; (1996) 82, 5, 421-25
CODEN: JFBIEX ISSN: 0922-338X
DT Journal
LA English

L5 ANSWER 28 OF 60 HCAPLUS COPYRIGHT 2004 ACS on STN
AN 1996:218001 HCAPLUS
TI Development of molecular methods for detecting toluenedegrading bacteria at a contaminated site.
AU Harris, Kelley S.; Herrick, Jim B.; Brainard, Jim R.
CS Department Chemistry, Fort Lewis College, Durango, CO, 81301, USA
SO Book of Abstracts, 211th ACS National Meeting, New Orleans, LA, March 24-28 (1996), CHED-155 Publisher: American Chemical Society, Washington, D. C.
CODEN: 62PIAJ
DT Conference; Meeting Abstract
LA English

L5 ANSWER 29 OF 60 BIOTECHDS COPYRIGHT 2004 THOMSON DERWENT/ISI on STN
AN 1996-09087 BIOTECHDS
TI Development of molecular methods for detecting ***toluene*** -degrading bacteria at a contaminated site; bacterium isolation for ***toluene*** degradation by polymerase chain reaction using DNA primer (conference abstract)
AU Harris K S; Herrick J B; Brainard J R
CS Fort-Lewis-Coll.; Los-Alamos-Nat.Lab.
LO Department of Chemistry, Fort Lewis College, Durango, CO 81301, USA.
SO Abstr.Pap.Am.Chem.Soc.; (1996) 211 Meet., Pt.1, CHED155
CODEN: ACSRAL ISSN: 0065-7727
211th ACS National Meeting, New Orleans, LA, 24-28 March, 1996.
DT Journal
LA English

L5 ANSWER 30 OF 60 MEDLINE on STN DUPLICATE 11
AN 96035667 MEDLINE
DN PubMed ID: 7574644
TI Nucleotide sequence analysis of ***genes*** encoding a ***toluene*** /benzene-2- ***monooxygenase*** from ***Pseudomonas*** sp. strain JS150.
AU Johnson G R; Olsen R H
CS Department of Microbiology and Immunology, University of Michigan Medical School, Ann Arbor 48109-0620, USA.
NC ES-04911 (NIEHS)
MO1RR00042 (NCRR)
SO Applied and environmental microbiology, (1995 Sep) 61 (9) 3336-46.
Journal code: 7605801. ISSN: 0099-2240.
CY United States
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
OS GENBANK-L40033
EM 199511
ED Entered STN: 19951227
Last Updated on STN: 19951227
Entered Medline: 19951114

=> d 31-40

L5 ANSWER 31 OF 60 MEDLINE on STN DUPLICATE 12
AN 96031586 MEDLINE
DN PubMed ID: 7574612
TI Isolation and characterization of RNA from low-biomass deep-subsurface sediments.
AU Ogram A; Sun W; Brockman F J; Fredrickson J K
CS Department of Crop and Soil Sciences, Washington State University, Pullman

99164-6420, USA.
SO Applied and environmental microbiology, (1995 Feb) 61 (2) 763-8.
Journal code: 7605801. ISSN: 0099-2240.
CY United States
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
EM 199511
ED Entered STN: 19951227
Last Updated on STN: 19990129
Entered Medline: 19951106

L5 ANSWER 32 OF 60 BIOTECHDS COPYRIGHT 2004 THOMSON DERWENT/ISI on STN
AN 1996-07268 BIOTECHDS
TI Nucleotide sequence, organization and regulation of the ***toluene*** ortho-monooxygenase (Tom) operon of Pseudomonas cepacia G4 and its constitutive variants;
and application in e.g. phenol degradation, chloroethene degradation, etc. (conference abstract)
AU Francesconi S C; Blake A C; Shields M S
CS EPA; Univ.West-Florida
LO The National Research Council, US EPA, Gulf Breeze, FL 32561, USA.
SO Abstr.Gen.Meet.Am.Soc.Microbiol.; (1995) 95, Meet., 570
CODEN: 0005P ISSN: 0067-2777
American Society for Microbiology, 95th General Meeting, Washington, DC, 21-25 May, 1995.
DT Journal
LA English

L5 ANSWER 33 OF 60 MEDLINE on STN DUPLICATE 13
AN 95172404 MEDLINE
DN PubMed ID: 7867951
TI Sequence analysis of the ***gene*** cluster encoding ***toluene*** -3- ***monooxygenase*** from ***Pseudomonas*** pickettii PKO1.
AU Byrne A M; Kukor J J; Olsen R H
CS Department of Microbiology and Immunology, University of Michigan Medical School, Ann Arbor 48109-0620, USA.
NC ES-04911 (NIEHS)
M01RR00042 (NCRR)
SO Gene, (1995 Feb 27) 154 (1) 65-70.
Journal code: 7706761. ISSN: 0378-1119.
CY Netherlands
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
OS GENBANK-U04052
EM 199503
ED Entered STN: 19950407
Last Updated on STN: 19960424
Entered Medline: 19950328

L5 ANSWER 34 OF 60 HCAPLUS COPYRIGHT 2004 ACS on STN
AN 1994:453667 HCAPLUS
DN 121:53667
TI A novel ***toluene*** -3-monooxygenase pathway cloned from Pseudomonas pickettii PKO1
AU Olsen, Ronald H.; Kukor, Jerome J.; Kaphammer, Bryan
CS Dep. Microbiol. and Immunology, Univ. Michigan Med. Sch., Ann Arbor, MI, 48109-0620, USA
SO Journal of Bacteriology (1994), 176(12), 3749-56
CODEN: JOBAAY; ISSN: 0021-9193
DT Journal
LA English

L5 ANSWER 35 OF 60 HCAPLUS COPYRIGHT 2004 ACS on STN
AN 1994:402106 HCAPLUS
DN 121:2106
TI Metabolism of polyhalogenated compounds by a genetically engineered bacterium
AU Wackett, Lawrence P.; Sadowsky, Michael J.; Newman, Lisa M.; Hur, Hor-Gil; Li, Shuying
CS Dep. Biochem., Univ. Minnesota, St Paul, MN, 55108, USA
SO Nature (London, United Kingdom) (1994), 368(6472), 627-9
CODEN: NATUAS; ISSN: 0028-0836
DT Journal
LA English

L5 ANSWER 36 OF 60 BIOTECHDS COPYRIGHT 2004 THOMSON DERWENT/ISI on STN
DUPLICATE 14
AN 1994-10751 BIOTECHDS
TI Nucleotide sequence analysis of the positive regulatory ***gene*** tbuT for the ***toluene*** -3- ***monooxygenase*** operon from ***Pseudomonas*** pickettii PKO1;
toluene -monooxygenase characterization and DNA sequence analysis for ***toluene*** degradation and benzene degradation (conference abstract)
AU Byrne A M; Olsen R H
CS Univ.Michigan
LO University of Michigan Medical School, Ann Arbor, MI 48109-0620, USA.
SO Abstr.Gen.Meet.Am.Soc.Microbiol.; (1994) 94 Meet., 307
CODEN: 0005P
DT Journal
LA English

L5 ANSWER 37 OF 60 BIOTECHDS COPYRIGHT 2004 THOMSON DERWENT/ISI on STN
AN 1994-10752 BIOTECHDS
TI Organization of the duplex ***toluene*** -monooxygenase pathway from Pseudomonas sp. JS150;
toluene -monooxygenase and benzene-monooxygenase gene cloning using plasmid pRO2016 for benzene degradation (conference abstract)
AU Johnson G R; Olsen R H
CS Univ.Michigan
LO University of Michigan Medical School, Ann Arbor, MI 48109-0620, USA.
SO Abstr.Gen.Meet.Am.Soc.Microbiol.; (1994) 94 Meet., 307
CODEN: 0005P
DT Journal
LA English

L5 ANSWER 38 OF 60 BIOTECHDS COPYRIGHT 2004 THOMSON DERWENT/ISI on STN
AN 1994-10748 BIOTECHDS
TI Comparison of trichloroethylene degradation by ***toluene*** -oxidizing bacteria;
toluene -monooxygenase expression in Pseudomonas cepacia, Pseudomonas pickettii and Pseudomonas mendocina (conference abstract)
AU Leahy J G; Olsen R H
CS Univ.Michigan
LO University of Michigan Medical School, Ann Arbor, MI 48109-0620, USA.
SO Abstr.Gen.Meet.Am.Soc.Microbiol.; (1994) 94 Meet., 306
CODEN: 0005P
DT Journal
LA English

L5 ANSWER 39 OF 60 BIOTECHDS COPYRIGHT 2004 THOMSON DERWENT/ISI on STN
AN 1993-14796 BIOTECHDS
TI A two-plasmid system for the isolation and detection of genes that direct the population of catechol from ***aromatic*** substrates;
plasmid pCDO5 and plasmid pUCLV1 construction for Pseudomonas cepacia ***toluene*** -ortho-monooxygenase cloning, catechol detection and trichloroethylene degradation (conference abstract)
AU Somerville C C; Reagin M; Shields M S
CS Tech.Res.
LO Technical Resources Inc., 1 Sabine Island Drive, Gulf Breeze, FL 32561-3999, USA.
SO Abstr.Gen.Meet.Am.Soc.Microbiol.; (1993) 93 Meet., 400
CODEN: 0005P
DT Journal
LA English

L5 ANSWER 40 OF 60 BIOTECHDS COPYRIGHT 2004 THOMSON DERWENT/ISI on STN
AN 1993-13697 BIOTECHDS
TI In vitro construction of constitutive ***toluene*** -monooxygenase (TMO) mutants of Pseudomonas mendocina KR1;
potential trichloroethylene degradation for bioremediation (conference paper)
AU Tugusheva M; Steffan R J
CS Envirogen
LO Envirogen, Inc., Lawrenceville, NJ, USA.
SO Abstr.Gen.Meet.Am.Soc.Microbiol.; (1993) 93 Meet., 276
CODEN: 0005P
DT Journal
LA English

=> d 41-50

L5 ANSWER 41 OF 60 BIOTECHDS COPYRIGHT 2004 THOMSON DERWENT/ISI on STN
AN 1993-13668 BIOTECHDS
TI Sequence analysis of the BTEX-degradative tbuABC operon of Pseudomonas pickettii PKO1 functional under limited oxygen conditions;
plasmid pRO1957 tbuABC operon DNA sequence analysis, characterization; ***toluene*** degradation and benzene degradation (conference paper)
AU Byrne A M; Kukor J J; Olsen R H
LO University of Michigan Medical School, Ann Arbor, Michigan, USA
SO Abstr.Gen.Meet.Am.Soc.Microbiol.; (1993) 93 Meet., 274
CODEN: 0005P
DT Journal
LA English

L5 ANSWER 42 OF 60 BIOTECHDS COPYRIGHT 2004 THOMSON DERWENT/ISI on STN
DUPLICATE 15
AN 1992-09962 BIOTECHDS
TI New ***toluene*** -monooxygenase gene sequence;
Pseudomonas mendocina tmoABCDEF gene cloning and expression for use in p-hydroxyphenylacetic acid or indigo preparation, or trichloroethylene degradation
PA Amgen
PI WO 9206208 16 Apr 1992
AI WO 1991-US5963 21 Aug 1991
PRAI US 1990-590374 28 Sep 1990
DT Patent
LA English
OS WPI: 1992-150892 [18]

L5 ANSWER 43 OF 60 BIOTECHDS COPYRIGHT 2004 THOMSON DERWENT/ISI on STN
DUPLICATE 16
AN 1992-09337 BIOTECHDS
TI Microbial hydroxylation of methyl group in ***aromatic*** heterocycle(s);
using Escherichia coli or Pseudomonas putida cells carrying a plasmid containing a ***Pseudomonas*** sp. TOL plasmid xylene-***monooxygenase*** ***gene***
PA Lonza
PI EP 477828 1 Apr 1992
AI EP 1991-116165 23 Sep 1991
PRAI CH 1990-3066 24 Sep 1990
DT Patent
LA German
OS WPI: 1992-133493 [17]

L5 ANSWER 44 OF 60 HCAPLUS COPYRIGHT 2004 ACS on STN
AN 1993:489909 HCAPLUS
DN 119:89909
TI Identification of a new gene, tmoF, in the Pseudomonas mendocina KR1 gene cluster encoding ***toluene*** -4-monooxygenase
AU Yen, Kwang Mu; Karl, Michael R.
CS Amgen Cent., Amgen Inc., Thousand Oaks, CA, 91320-1789, USA
SO Journal of Bacteriology (1992), 174(22), 7253-61
CODEN: JOBAAY; ISSN: 0021-9193
DT Journal
LA English

L5 ANSWER 45 OF 60 HCAPLUS COPYRIGHT 2004 ACS on STN
AN 1993:403853 HCAPLUS
DN 119:3853
TI Novel aerobic 2-aminobenzoate metabolism. Nucleotide sequence of the plasmid carrying the gene for the flavoprotien 2-aminobenzoyl-CoA monooxygenase/reductase in a denitrifying Pseudomonas sp
AU Altenschmidt, Uwe; Bokranz, Martin; Fuchs, Georg
CS Abt. Angew. Mikrobiol., Univ. Ulm, Ulm, W-7900, Germany
SO European Journal of Biochemistry (1992), 207(2), 715-22
CODEN: EJBCAI; ISSN: 0014-2956
DT Journal
LA English

L5 ANSWER 46 OF 60 BIOTECHDS COPYRIGHT 2004 THOMSON DERWENT/ISI on STN
AN 1992-02979 BIOTECHDS
TI Nitroaromatics are substrates for the TOL plasmid upper-pathway enzymes;
characterization of nitroaromatic degradation by Pseudomonas putida,

Escherichia coli expressing recombinant ***toluene*** -monooxygenase
AU Delgado A; Wubbolts M G; Abril M A; *Ramos J L
LO Departamento de Bioquimica Vegetal, Consejo Superior de Investigaciones Cientificas, Estacion Experimental del Zaidin, Apto. 419, 18080 Granada, Spain.
SO Appl.Environ.Microbiol.; (1992) 58, 1, 415-17
CODEN: AEMIDF
DT Journal
LA English

L5 ANSWER 47 OF 60 BIOTECHDS COPYRIGHT 2004 THOMSON DERWENT/ISI on STN
AN 1993-14806 BIOTECHDS
TI Expression of recruited biodegradative genes in subsurface bacteria; ***Pseudomonas*** mendocina ***toluene*** -4-***monooxygenase*** and ***Pseudomonas*** putida ***toluene*** -dioxygenase ***gene*** expression in river sediment Gram-negative bacterium for ***toluene*** degradation (conference abstract)
AU Romine M F; Brockman F J
CS Pacific-Northwest
LO Pacific Northwest Laboratory, Richland, WA 99352, USA.
SO Abstr.Gen.Meet.Am.Soc.Microbiol.; (1992) 402
CODEN: 0005P
DT Journal
LA English

L5 ANSWER 48 OF 60 BIOTECHDS COPYRIGHT 2004 THOMSON DERWENT/ISI on STN
DUPLICATE 17
AN 1991-13291 BIOTECHDS
TI Cloning and characterization of a Pseudomonas mendocina KR1 gene cluster encoding ***toluene*** -4-monooxygenase; potential application in ***toluene*** degradation and e.g. trichloroethylene degradation; DNA sequence
AU Yen K M; Karl M R; Blatt L M; Simon M J; Winter R B; Fausset P R
CS Amgen
LO Amgen Inc., Amgen Center, Thousand Oaks, California 91320-1789, USA.
SO J.Bacteriol.; (1991) 173, 17, 5315-27
CODEN: JOBAAY
DT Journal
LA English

L5 ANSWER 49 OF 60 HCAPLUS COPYRIGHT 2004 ACS on STN
AN 1991:509282 HCAPLUS
DN 115:109282
TI Primary structure of xylene monooxygenase: similarities to and differences from the alkane hydroxylation system
AU Suzuki, Masahiko; Hayakawa, Takahiko; Shaw, Jeffrey P.; Rekik, Monique; Harayama, Shigeaki
CS Plantech Res. Inst., Yokohama, 227, Japan
SO Journal of Bacteriology (1991), 173(5), 1690-5
CODEN: JOBAAY; ISSN: 0021-9193
DT Journal
LA English

L5 ANSWER 50 OF 60 BIOTECHDS COPYRIGHT 2004 THOMSON DERWENT/ISI on STN
AN 1991-12572 BIOTECHDS
TI Use of a stress-induced promoter to enhance trichloroethylene biodegradation in nutrient-limited recombinant E. coli; ***Pseudomonas*** mendocina ***toluene*** -***monooxygenase*** ***gene*** expression in Escherichia coli under control of the proEL promoter; metabolic engineering (conference abstract)
AU Little C D; Keyhan M; Fraley C D; McCann M P; Matin A
LO Stanford University, Stanford, CA 94305, USA.
SO Abstr.Gen.Meet.Am.Soc.Microbiol.; (1991) 91 Meet., 294
DT Journal
LA English

=> d 51-60

L5 ANSWER 51 OF 60 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
AN 1991:401668 BIOSIS
DN PREV199141063513; BR41:63513
TI SELF TRANSFER OF THE PSEUDOMONAS-MENDOCINA KR ***TOLUENE*** PATHWAY AND CLONING OF IT'S P CRESOL REGULON.

AU WRIGHT A [Reprint author]; OLSEN R H
CS UNIV MICH MED SCH, ANN ARBOR, MICH 48109, USA
SO Abstracts of the General Meeting of the American Society for Microbiology, (1991) Vol. 91, pp. 217.
Meeting Info.: 91ST GENERAL MEETING OF THE AMERICAN SOCIETY FOR MICROBIOLOGY, DALLAS, TEXAS, USA, MAY 5-9, 1991. ABSTR GEN MEET AM SOC MICROBIOL.
ISSN: 1060-2011.
DT Conference; (Meeting)
FS BR
LA ENGLISH
ED Entered STN: 31 Aug 1991
Last Updated on STN: 8 Oct 1991

L5 ANSWER 52 OF 60 SCISEARCH COPYRIGHT 2004 THOMSON ISI on STN
AN 91:455901 SCISEARCH
GA The Genuine Article (R) Number: GA438
TI SEQUENCE OF THE ***GENE*** (PHEA) ENCODING PHENOL ***MONOOXYGENASE*** FROM ***PSEUDOMONAS*** SP-EST1001 - EXPRESSION IN ESCHERICHIA-COLI AND PSEUDOMONAS-PUTIDA
AU NURK A; KASAK L; KIVISAAR M (Reprint)
CS ESTONIAN BIOCTR, PLASMID BIOL LAB, 2 JAKOBI ST, TARTU 202400, ESTONIA, USSR
CYA USSR
SO GENE, (1991) Vol. 102, No. 1, pp. 13-18.
DT Article; Journal
FS LIFE
LA ENGLISH
REC Reference Count: 23
ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS

L5 ANSWER 53 OF 60 BIOTECHDS COPYRIGHT 2004 THOMSON DERWENT/ISI on STN
AN 1991-03054 BIOTECHDS
TI The molecular basis of carbon-starvation-induced general resistance in Escherichia coli;
application of starvation gene promoter to recombinant protein production, bioremediation, pollutant degradation, large-scale fermentation; a review
AU Matin A
LO Department of Microbiology and Immunology, Sherman Fairchild Science Building, Rooms D315 and D317, Stanford University, Stanford, California 94305-5402, USA.
SO Mol.Microbiol.; (1991) 5, 1, 3-10
CODEN: MOMIEE
DT Journal
LA English

L5 ANSWER 54 OF 60 LIFESCI COPYRIGHT 2004 CSA on STN
AN 91:14828 LIFESCI
TI Plasmid encoding the ***Pseudomonas*** mendocina ***toluene*** ***monooxygenase*** ***gene*** .
AU Yen, Kwang-Mu; Blatt, L.M.
CS Amgen Inc., Thousand Oaks, CA (USA)
PI US 5017495 1991
SO (1991) . US Cl. 435/320.1; Int. Cl. C12N 1/00, 9/02, 1/22; C12P 21/06, 21/04; C12R 1/38..
DT Patent
FS W
LA English

L5 ANSWER 55 OF 60 BIOTECHDS COPYRIGHT 2004 THOMSON DERWENT/ISI on STN
DUPLICATE 18
AN 1990-00416 BIOTECHDS
TI Plasmid containing ***Pseudomonas*** mendocina KR-1 ***toluene*** - ***monooxygenase*** ***genes*** ;
gene cloning and expression in Pseudomonas putida and Escherichia coli; p-cresol, p-hydroxyphenylacetic acid and indigo preparation
PA Amgen
PI EP 336719 11 Oct 1989
AI EP 1989-303329 4 Apr 1989
PRAI US 1988-177631 5 Apr 1988
DT Patent
LA English
OS WPI: 1989-294582 [41]

L5 ANSWER 56 OF 60 HCAPLUS COPYRIGHT 2004 ACS on STN

AN 1990:404705 HCAPLUS
DN 113:4705
TI Microbial degradation of trichloroethylene in wastewater treatment
IN Winter, Robert B.; Yen, Kwang Mu; Ensley, Burt D.
PA Amgen, Inc., USA
SO Eur. Pat. Appl., 23 pp.
CODEN: EPXXDW
DT Patent
LA English
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 336718	A2	19891011	EP 1989-303328	19890404
	EP 336718	A3	19910424		
	R: AT, BE, CH, DE, ES, FR, GB, GR, IT, LI, LU, NL, SE				
	US 5079166	A	19920107	US 1988-235354	19881019
	CA 1316860	A1	19930427	CA 1989-595483	19890403
	WO 8909827	A1	19891019	WO 1989-US1419	19890404
	W: AU, DK, FI, JP, KR, NO				
	AU 8934275	A1	19891103	AU 1989-34275	19890404
	AU 626856	B2	19920813		
	JP 02503866	T2	19901115	JP 1989-504759	19890404
	IL 89847	A1	19941021	IL 1989-89847	19890404
	KR 131772	B1	19980411	KR 1989-702298	19890404
	ZA 8902504	A	19891227	ZA 1989-2504	19890405
	NO 8904846	A	19891204	NO 1989-4846	19891204
	NO 179642	B	19960812		
	NO 179642	C	19961120		
	DK 8906089	A	19900202	DK 1989-6089	19891204
PRAI	US 1988-177640	A	19880405		
	US 1988-235354	A	19881019		
	WO 1989-US1419	A	19890404		

L5 ANSWER 57 OF 60 BIOTECHDS COPYRIGHT 2004 THOMSON DERWENT/ISI on STN
AN 1989-03786 BIOTECHDS
TI Cloning and heterologous expression in Streptomyces lividans of Streptomyces rimosus genes involved in oxytetracycline biosynthesis; anhydrotetracycline-oxygenase gene cloning in Escherichia coli
AU Binnie C; Warren M; Butler M J
CS Pfizer
LO International Process Development Group, Pfizer Limited, Sandwich, Kent CT13 9NJ, UK.
SO J.Bacteriol.; (1989) 171, 2, 887-95
CODEN: JOBAAY
DT Journal
LA English

L5 ANSWER 58 OF 60 BIOTECHDS COPYRIGHT 2004 THOMSON DERWENT/ISI on STN
AN 1989-06075 BIOTECHDS
TI Efficient degradation of trichloroethylene by a recombinant Escherichia coli;
Pseudomonas mendocina ***toluene*** - ***monooxygenase*** ***gene*** cloning
AU Winter R B; Yen K M; Ensley B D
CS AMGen
LO Amgen, 1900 Oak Terrace Lane, Thousand Oaks, CA 91320, USA.
SO Bio/Technology; (1989) 7, 3, 282-85
CODEN: BTCHDA
DT Journal
LA English

L5 ANSWER 59 OF 60 BIOTECHDS COPYRIGHT 2004 THOMSON DERWENT/ISI on STN
AN 1991-00879 BIOTECHDS
TI Microbial degradation of environmentally persistent organopollutants; military pesticide degradation, solvent degradation, fuel degradation; pollutant degradation and bioremediation (conference paper)
AU Bumpus J A
LO Biotechnology Center and Biology Department, Utah State University, Logan, UT 84322-4430, USA.
SO Biotechnol.Aerospace Appl.; (1989) 59-84
DT Journal
LA English

L5 ANSWER 60 OF 60 BIOTECHDS COPYRIGHT 2004 THOMSON DERWENT/ISI on STN
AN 1989-08655 BIOTECHDS
TI Degradation of volatile chlorinated aliphatics by recombinant Escherichia

coli;
waste-disposal (conference abstract)
AU Winter R B; Yen K M; *Ensley B D
CS AMGen
LO AMGen Inc., Thousand Oaks, California 91320, USA.
SO Abstr.Pap.Am.Chem.Soc.; (1989) 197 Meet., MBTD18
CODEN: ACSRAL
DT Journal
LA English

=> s yano, ?/au
L6 50469 YANO, ?/AU

=> s l6 and monooxygenase
L7 55 L6 AND MONOOXYGENASE

=> dup rem l7
PROCESSING COMPLETED FOR L7
L8 35 DUP REM L7 (20 DUPLICATES REMOVED)

=> s l8 not l5
L9 35 L8 NOT L5

=> s l8 and l5
L10 0 L8 AND L5

=> s l8 and toluene
L11 4 L8 AND TOLUENE

=> d 1-14

L11 ANSWER 1 OF 4 LIFESCI COPYRIGHT 2004 CSA on STN
AN 2003:80330 LIFESCI
TI DNA fragment carrying ***toluene*** ***monooxygenase*** gene, recombinant plasmid, transformed microorganism, method for degrading chlorinated aliphatic hydrocarbon compounds and aromatic compounds, and method for environmental remediation
AU ***Yano, T.*** ; Nomoto, T.; Imamura, T.
CS Canon Kabushiki Kaisha
SO (20021029) . US Patent: 6472191; US CLASS: 435/189; 435/252.3; 435/262.5; 435/320.1; 536/23.2.
DT Patent
FS W2
LA English
SL English

L11 ANSWER 2 OF 4 BIOTECHDS COPYRIGHT 2004 THOMSON DERWENT/ISI on STN
AN 2000-10929 BIOTECHDS
TI New polynucleotide encoding ***toluene*** - ***monooxygenase*** for generating transformants useful for decontaminating environments polluted with e.g. aromatic hydrocarbons;
production of ***toluene*** - ***monooxygenase*** from Ralstonia eutropha TB64 FERM BP-6933 useful for degradation
AU ***Yano T*** ; Nomoto T; Imamura T
PA Canon
LO Tokyo, Japan.
PI EP 1006191 7 Jun 2000
AI EP 1999-124209 3 Dec 1999
PRAI JP 1998-344506 3 Dec 1998
DT Patent
LA English
OS WPI: 2000-378265 [33]

L11 ANSWER 3 OF 4 BIOTECHDS COPYRIGHT 2004 THOMSON DERWENT/ISI on STN
AN 2000-09780 BIOTECHDS
TI Novel DNA fragment encoding a ***toluene*** - ***monooxygenase*** , useful for degrading a chlorinated aliphatic hydrocarbon compound, or an aromatic compound, e.g. in environment remediation;
production of a recombinant DNA using a ***toluene*** - ***monooxygenase*** gene from Burkholderia cepacia strain KK01
AU ***Yano T*** ; Nomoto T; Imamura T
PA Canon
LO Tokyo, Japan.
PI EP 999274 10 May 2000
AI EP 1999-121681 2 Nov 1999

PRAI JP 1998-310801 30 Oct 1998
DT   Patent
LA   Japanese
OS   WPI: 2000-306010 [27]

L11 ANSWER 4 OF 4 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
AN   2003:6580 BIOSIS
DN   PREV200300006580
TI   DNA FRAGMENT CARRYING ***TOLUENE*** ***MONOOXYGENASE*** GENE,
     RECOMBINANT PLASMID, TRANSFORMED MICROORGANISM, METHOD FOR DEGRADING
     CHLORINATED ALIPHATIC HYDROCARBON COMPOUNDS AND AROMATIC COMPOUNDS, AND
     METHOD FOR ENVIRONMENTAL REMEDIATION.
AU   ***Yano, Tetsuya*** [Inventor, Reprint Author]; Nomoto, Tsuyoshi
     [Inventor]; Imamura, Takeshi [Inventor]
CS   Atsugi, Japan
     ASSIGNEE: Canon Kabushiki Kaisha, Tokyo, Japan
PI   US 6472191 October 29, 2002
SO   Official Gazette of the United States Patent and Trademark Office Patents,
     (Oct 29 2002) Vol. 1263, No. 5. http://www.uspto.gov/web/menu/patdata.html
     . e-file.
     ISSN: 0098-1133 (ISSN print).
DT   Patent
LA   English
ED   Entered STN: 18 Dec 2002
     Last Updated on STN: 18 Dec 2002

=> dis his

     (FILE 'HOME' ENTERED AT 17:05:24 ON 04 AUG 2004)

     FILE 'MEDLINE, SCISEARCH, LIFESCI, BIOTECHDS, BIOSIS, EMBASE, HCAPLUS,
     NTIS, ESBIOBASE, BIOTECHNO, WPIDS' ENTERED AT 17:05:37 ON 04 AUG 2004
L1   1266 S MONOOXYGENASE (5A)(PSEUDOMONAS OR BUKHOLDERIA)
L2   272 S L1 (5A)(SEQUENCE OR GENE)
L3   142 DUP REM L2 (130 DUPLICATES REMOVED)
L4   131 S L2 AND (AROMATIC OR TOLUENE)
L5   60 DUP REM L4 (71 DUPLICATES REMOVED)
L6   50469 S YANO, ?/AU
L7   55 S L6 AND MONOOXYGENASE
L8   35 DUP REM L7 (20 DUPLICATES REMOVED)
L9   35 S L8 NOT L5
L10   0 S L8 AND L5
L11   4 S L8 AND TOLUENE

=> log h
COST IN U.S. DOLLARS   SINCE FILE   TOTAL
                                                       ENTRY   SESSION
FULL ESTIMATED COST   127.08   127.29

 SESSION WILL BE HELD FOR 60 MINUTES
STN INTERNATIONAL SESSION SUSPENDED AT 17:24:07 ON 04 AUG 2004

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:SSSPTA1800EXS

PASSWORD:
* * * * * * RECONNECTED TO STN INTERNATIONAL * * * * * *
SESSION RESUMED IN FILE 'MEDLINE, SCISEARCH, LIFESCI, BIOTECHDS, BIOSIS, EMBASE, HCAPLUS, NTIS, ESBIOBASE, BIOTECHNO, WPIDS' AT 17:27:40 ON 04 AUG 2004
FILE 'MEDLINE' ENTERED AT 17:27:40 ON 04 AUG 2004
FILE 'SCISEARCH' ENTERED AT 17:27:40 ON 04 AUG 2004
COPYRIGHT 2004 THOMSON ISI
FILE 'LIFESCI' ENTERED AT 17:27:40 ON 04 AUG 2004
COPYRIGHT (C) 2004 Cambridge Scientific Abstracts (CSA)

FILE 'BIOTECHDS' ENTERED AT 17:27:40 ON 04 AUG 2004
COPYRIGHT (C) 2004 THOMSON DERWENT AND INSTITUTE FOR SCIENTIFIC INFORMATION
FILE 'BIOSIS' ENTERED AT 17:27:40 ON 04 AUG 2004
COPYRIGHT (C) 2004 BIOLOGICAL ABSTRACTS INC.(R)
FILE 'EMBASE' ENTERED AT 17:27:40 ON 04 AUG 2004
COPYRIGHT (C) 2004 Elsevier Inc. All rights reserved.
FILE 'HCAPLUS' ENTERED AT 17:27:40 ON 04 AUG 2004
COPYRIGHT (C) 2004 AMERICAN CHEMICAL SOCIETY (ACS)
FILE 'NTIS' ENTERED AT 17:27:40 ON 04 AUG 2004
All rights reserved. (2004)
FILE 'ESBIOBASE' ENTERED AT 17:27:40 ON 04 AUG 2004
COPYRIGHT (C) 2004 Elsevier Science B.V., Amsterdam. All rights reserved.
FILE 'BIOTECHNO' ENTERED AT 17:27:40 ON 04 AUG 2004
COPYRIGHT (C) 2004 Elsevier Science B.V., Amsterdam. All rights reserved.
FILE 'WPIDS' ENTERED AT 17:27:40 ON 04 AUG 2004
COPYRIGHT (C) 2004 THOMSON DERWENT

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	127.08	127.29

=> dis his

(FILE 'HOME' ENTERED AT 17:05:24 ON 04 AUG 2004)

FILE 'MEDLINE, SCISEARCH, LIFESCI, BIOTECHDS, BIOSIS, EMBASE, HCAPLUS, NTIS, ESBIOBASE, BIOTECHNO, WPIDS' ENTERED AT 17:05:37 ON 04 AUG 2004
L1 1266 S MONOOXYGENASE (5A)(PSEUDOMONAS OR BUKHOLDERIA)
L2 272 S L1 (5A)(SEQUENCE OR GENE)
L3 142 DUP REM L2 (130 DUPLICATES REMOVED)
L4 131 S L2 AND (AROMATIC OR TOLUENE)
L5 60 DUP REM L4 (71 DUPLICATES REMOVED)
L6 50469 S YANO, ?/AU
L7 55 S L6 AND MONOOXYGENASE
L8 35 DUP REM L7 (20 DUPLICATES REMOVED)
L9 35 S L8 NOT L5
L10 0 S L8 AND L5
L11 4 S L8 AND TOLUENE

=> d l11

L11 ANSWER 1 OF 4 LIFESCI COPYRIGHT 2004 CSA on STN
AN 2003:80330 LIFESCI

TI DNA fragment carrying **toluene monooxygenase** gene, recombinant plasmid, transformed microorganism, method for degrading chlorinated aliphatic hydrocarbon compounds and aromatic compounds, and method for environmental remediation
AU **Yano, T.**; Nomoto, T.; Imamura, T.
CS Canon Kabushiki Kaisha
SO (20021029) . US Patent: 6472191; US CLASS: 435/189; 435/252.3; 435/262.5; 435/320.1; 536/23.2.
DT Patent
FS W2
LA English
SL English

=> s l7 and (pseudomonas or bukholderia)
L12 6 L7 AND (PSEUDOMONAS OR BUKHOLDERIA)

=> dup rem l12
PROCESSING COMPLETED FOR L12
L13 5 DUP REM L12 (1 DUPLICATE REMOVED)

=> d 1-5

L13 ANSWER 1 OF 5 HCAPLUS COPYRIGHT 2004 ACS on STN
AN 2003:863460 HCAPLUS
DN 139:337026
TI Manufacture of unusual polyhydroxyalkanoate (PHA) from aromatic ring-containing alkanes with **Pseudomonas**
IN Kenmoku, Takashi; Imamura, Takeshi; Honma, Tsutomu; Sugawa, Etsuko; **Yano, Tetsuya**
PA Canon Inc., Japan
SO Jpn. Kokai Tokkyo Koho, 27 pp.
CODEN: JKXXAF
DT Patent
LA Japanese
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 2003310292	A2	20031105	JP 2002-126158	20020426
	EP 1367078	A2	20031203	EP 2003-7890	20030407
	EP 1367078	A3	20031217		
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
	US 2003207412	A1	20031106	US 2003-410349	20030410
PRAI	JP 2002-126158	A	20020426		

L13 ANSWER 2 OF 5 WPIDS COPYRIGHT 2004 THOMSON DERWENT on STN
AN 2004-069293 [07] WPIDS
DNC C2004-028792
TI Producing polyhydroxyalkanoate by using microorganisms, involves culturing microorganisms in medium containing substituted alkanes.
DC A23 D16
IN HONMA, T; IMAMURA, T; KENMOKU, T; SUGAWA, E; **YANO, T**
PA (CANO) CANON KK
CYC 34

PI	US 2003207412	A1 20031106 (200407)*	25	C12P007-62	
	EP 1367078	A2 20031203 (200407) EN		C08G063-00	
	R: AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LT LU LV MC MK NL PT RO SE SI SK TR				
	JP 2003310292	A 20031105 (200407)	27	C12P011-00	
	KR 2003084731	A 20031101 (200418)		C08G063-06	

ADT US 2003207412 A1 US 2003-410349 20030410; EP 1367078 A2 EP 2003-7890 20030407; JP 2003310292 A JP 2002-126158 20020426; KR 2003084731 A KR

2003-25988 20030424
PRAI JP 2002-126158 20020426
IC ICM C08G063-00; C08G063-06; C12P007-62; C12P011-00
ICS C08G063-82; C12N001-21

L13 ANSWER 3 OF 5 BIOTECHDS COPYRIGHT 2004 THOMSON DERWENT/ISI on STN
DUPLICATE 1
AN 2002-17375 BIOTECHDS
TI New polyhydroxyalkanoate useful as device material, water repellant material, and medical material;
polyhydroxyalkanoate production using **Pseudomonas** cichorii having alkane-1-**monooxygenase** activity
AU HONMA T; SUGAWA E; **YANO T**; IMAMURA T; KENMOKU T
PA CANON KK
PI EP 1188782 20 Mar 2002
AI EP 2000-122101 14 Sep 2000
PRAI JP 2001-275063 11 Sep 2001
DT Patent
LA English
OS WPI: 2002-481356 [52]

L13 ANSWER 4 OF 5 BIOTECHDS COPYRIGHT 2004 THOMSON DERWENT/ISI on STN
AN 2003-07046 BIOTECHDS
TI Polyhydroxyalkanoate for charge control agent, comprises substituted phenyl units;
polymer production and purification from **Pseudomonas** cichorii and **Pseudomonas** jessenii
AU KENMOKU T; KOBAYASHI T; SUGAWA E; **YANO T**; KOBAYASHI S; IMAMURA T; HONMA T
PA CANON KK
PI EP 1253161 30 Oct 2002
AI EP 2002-9667 29 Apr 2002
PRAI JP 2001-133667 27 Apr 2001; JP 2001-133651 27 Apr 2001
DT Patent
LA English
OS WPI: 2003-113889 [11]

L13 ANSWER 5 OF 5 LIFESCI COPYRIGHT 2004 CSA on STN
AN 84:69305 LIFESCI
TI Isolation and properties of p-hydroxybenzoate hydroxylase and protocatechuate 3,4-dioxygenase from **Pseudomonas** putida RB-4.
AU Miyagawa, E.; **Yano, J.**; Hamakado, T.; Kido, Y.; Motoki, Y.
CS Ube Res. Lab., Fujirebio Inc., Ube, Yamaguchi 759-02, Japan
SO J. AGRIC. CHEM.-SOC. JAPAN., (1984) vol. 58, no. 8, pp. 785-791.
DT Journal
FS J; A; L
LA Japanese
SL English

=> s l6 and bukholderia
L14 0 L6 AND BUKHOLDERIA